

Peer Review

Review of: "Isolation of a Novel Plant Growth-Promoting *Dyella* sp. from Danish Natural Soil"

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The current manuscript, "Isolation of a Novel Plant Growth-Promoting *Dyella* sp. from Danish Natural Soil," describes the plant growth-promoting activity of *Dyella* sp. on *Arabidopsis* and tomato. However, the article has major points that should be addressed, as outlined below:

1. Plant names must be in scientific nomenclature.
2. "Approximately half of the soil was distributed into 3 kg plastic bags (300×600×0.08)" Please specify the unit.
3. I recommend writing in the third person.
4. Discussion is poor.
5. Authors are advised to detail the methodology of data filtering and downstream data analysis in the revised manuscript (this may be included as supplementary methodology).
6. I will request that authors add the description of the quality score versus received read length for both pairs as a supplementary dataset, as well as share a table (possibly as supplementary) indicating how many reads were stitched together to provide complete coverage of the V5-V7 region of the 16S rRNA gene.
7. Results: The study is designed to decode rhizospheric microbiota. However, I was unable to find control soil samples in any of the datasets.
8. "*Dyella* sp. A4 was inoculated into 0.5x MS agar at a final OD600 of 0.0005" It is better to mention the bacterial count instead of OD.
9. I believe that many of the paragraphs in the document require improvement.

Declarations

Potential competing interests: No potential competing interests to declare.